

VOLOVOY, D., inzh.; SAVIN, V., inzh.

Justification of the traffic capacity of a wharf on the basis of
the combined records of relations between ships and harbors.

Rech.transp. 19 no.5:6-9 My '60.

(MIRA 13:7)

(Wharves)

(Inland water transportation--Accounting)

VOLOVOY, D., SAVIN, V.

Analysis of the traffic capacity of wharves based on a comprehensive accounting of the interrelation between the merchant fleet and the ports. Rech. transp. 19 no. 6:18-20 Je '60.

(Wharves)

(MIRA 14:2)

VOLOVOY, D., inzh.; YUSIN, V., inzh.

Establishment of traffic schedules by means of electronic calculating
machines. Rech. transp. 20 no. 3:15-17 Mr '61. (MIRA 14:5)
(Inland water transportation) (Electronic calculating machines)

VOLOVOY, D., kand.tekhn.nauk; SAVIN, V., kand.tekhn.nauk

Optimum distribution of freightage among various forms of transportation. Rech. transp. 22 no.2:11-12 F '63. (MIRA 16:5)
(Transportation)

VOLOVOY, D.I., inzh.

Using electronics calculating machines for operational computations.

Rech. transp. 17 no. 7:18-21 J1 '58.

(MIRA 11:8)

(Electronic calculating machines)

(Inland water transportation--Accounting)

VOLOVOY, D.I., inzh.

Experience with operational calculations made on electronic
calculating machines. Rech. transp. 17 no.12:45-46 D '58.
(MIRA 12:1)

(Electronic calculating) (Inland water transportation)

SOYUZOV, A.A., doktor tekhn.nauk; VOLOVOY, D.I., inzh.; YUSIN, V.L.,
inzh.

Applying the theory of probabilities in operating statistics.
Rech.transp. 18 no.9:7-9 S '59. (MIRA 13:2)
(Inland water transportation--Statistics)

VOLOVOY, D.I., inzh.; KHEYFETS, M.B., inzh.

Calculating technological time losses on roadsteads. Rech.transp.
18 no.12:14-16 D '59. (MIRA 13:4)
(Merchant marine--Cost of operation)
(Industrial organization)

Uo avoy, D. I.

- 2) A. Ya. Izrael - The Differential Equations of Expanded Reproduction
 - 3) L. V. Kantorovich - Optimal Planning and Economic Indicators
 - 4) A. A. Krasovskiy - Mathematical Analysis of the Optimal Operation of Production
 - 5) N. I. Volynskiy - Mathematical Analysis of Mass and Proportions in the National Economy (Primarily in Regard to the Economic Efficiency of Capital Investment)
 - 6) S. I. Zhukovskiy, P. P. Maslov - Price Mechanisms in Expanded Reproduction
 - 7) L. M. Buzin and V. S. Vishnevskiy - Statistical (and) and Dynamic Models of a Socialist National Economic Balance in Physical Terms
- a. Working Session - 15 December 1959, 1600 hours
- II. The Theory of Linear Programming
- 1) G. S. Rubinshteyn - Review of Methods for the Solution of Linear Programming Problems
 - 2) A. I. Kuz'min - Algorithmic Solutions of Transport Problems Through Approximation by Means of Hypothetically Optimal Plans
 - 3) Ya. P. Gerchik - The Algebra of Linear Programming
 - 4) S. V. Kaban'skiy - Recommendations for a Method of Re-assigning Resources of First Type Coefficients under Conditions of Controlling Multipliers
 - 5) B. G. Gikhs - A Practical Interpretation of Kantorovich's Controlling Multipliers
 - 6) M. G. Gikhs and B. G. Gikhs - Linear Programming Methods and Material Supply
- b. Working Session - 16 December 1959, 1000 hours
- III. Economic Models and Dynamic Programming
- 1) V. V. Brezhnev - Mathematical Models of the National Economy in Bourgeois Economics and a Critique thereof
 - 2) S. N. Mikhailovskiy - Mathematical Methods of Determining the National Efficiency of Capital Investment
 - 3) V. V. Shupkovskiy - Concerning the Economic Cycle Models and Dynamic Economic Models of Transport Concentrations
 - 4) V. V. Shupkovskiy - The Economic Cycle Models of Dynamic Programming in Bourgeois Economics
 - 5) L. G. Gikhs - Economic Models and the Analysis of Certain Economic Indicators
 - 6) V. I. Krasovskiy - The Dynamic Programming Method and Its Use in Economics
 - 7) S. I. Zhukovskiy - The Building (rebuilding) Matrix as a Model for the Application of Mathematical Methods in Long-Term Economic Planning
- c. Working Session - 16 December 1959, 1600 hours
- IV. The Transportation Problem
- 1) B. I. Zhukovskiy - Finding the Most Efficient Assignment of Various Types of First Needs to Lines
 - 2) A. M. Pospel'skiy - Extremal Methods in Economic Research on the Optimal Spatial Distribution of Projects
 - 3) S. P. Maslovskiy - The Application of Linear Programming to Air Transport Economics

Report submitted at the Soviet Conference on Problems in the Application of Mathematical Methods in Economic Research, Leningrad, 11-21 January 1960.

VOLOVOY, D.; ZINCHENKO, G.

"Two forms of socialist property and ways to merge them" by S.I.
Sdobnov. Reviewed by D.Volovoi, G.Zinchenko. Vop. ekon. no.5:
123-125 My '62. (MIRA 15:6)
(Socialist property) (Collective farms)
(Sdobnov, S.I.)

· VOLOVOY, D.I., inzh.; SAVIN, V.I., inzh.

Seeking a better way to assign different types of vessels to
the appropriate lines. Rech.transp. 18 no.10:10-13 0 '59.
(MIRA 13:2)

(Inland water transportation)

VOLOVOY, D. I., Cand Tech Sci -- (diss) "Development of an organizational scheme for traffic and the calculation of the exploitative indices with the aid of electronic digital computers." Gor'kiy, 1960. 16 pp with schematics; (Ministry of River Fleet RSFSR, Gor'kiy Inst of Water Transport Engineers, Chair of Traffic Organization); 200 copies; price not given; (KL,18-60,150)

VOLOVSEK, Vladimir, doc. dr.

Relation between prosthetics and other branches of medicine.
Zobozdrav. vest., Ljubljana 9 no.4-6:167-172 1954.

(DENTAL PROSTHESIS

causing oral disord.)

(MOUTH, dia.

caused by dent. prosth.)

VOLOVSEK, Vladimir

VOLOVSEK, Vladimir, doc. dr.

Contact point in partial prosthesis. Zobozdrav. vest., Ljubljana
9 no.1-2:10-12 1954.

(DENTAL PROSTHESIS, PARTIAL

*contact point)

VOLOV, L.M. (Moskva)

Aid to the young teachers of eight year schools; preparatory
literature for the coming school year. Mat.v shkole no.4:70-
72 J1-Ag '62. (MIRA 15:11)

(Bibliography--Mathematics)

VOLOVICH, V.G.

Influence of a rapid change in climatic and geographic conditions
on some physiological functions of the body. Voен.-med.zhur.
no.9:84-85 S '61. (MIRA 15:10)

(MAN--INFLUENCE OF ENVIRONMENT)

VOLOVSKIY, D.S.; BERNSTEIN, L.M.

Hygienic evaluation of new mining cutter-loaders tested in the
Karaganda coal basin. Nauch. trudy KNIUI no.13:385-387 '64
(MIRA 18:1)

VOLOVSKIY, D.S.

Characteristics of noise during the sinking of vertical shafts in mines and its effect on the state of hearing in workers. Zdravookhr. Kazakh. 23 no.1:65-68 '63

(MIRA 17.2)

1. Iz kafedry gigiyeny (sav. - dotsent P.S.Sevbo) Karagandinsko-go meditsinskogo instituta.

PANADIADI, A.D., kand. sel'khoz. nauk; VOLOVSKIY, S.P., kand.
sel'khoz. nauk; NAVROTSKIY, S.K., kand. sel'khoz. nauk;
PANADIADI, Ye.A., inzh.; SPIRIDONOV, A.L., kand. sel'-
khoz. nauk; TIMOFEYEV, A.F., kand. sel'khoz. nauk;
LAPIDOVSKIY, K.I., red.

[Agricultural melioration] Sel'skokhoziaistvennaia me-
lioratsiia. Moskva, Kolos, 1965. 502 p. (MIRA 18:7)

VOLOZA, R.Z.; YAKOVENKO, E.I.

Clinical aspects of adenovirus diseases in children. Zdravo-
okhr. Kazakh. 23 no.1:51-53 '63 (MIRA 17:2)

1. Iz kafedry infektsionnykh bolezney (zav. - kand. med. nauk
L.M. Baranovskiy) Semipalatinskogo meditsinskogo instituta i
1-y Semipalatinskoy gorodskoy bol'nitsy.

ZAMAREN OV, A.K.; ZHIVODEROV, A.B.; VOLOZH, Yu.A.; TRAYNIN, L.P.

Tectonics of the western part of the Mugodzhar Hills region and evaluation of the prospects for finding oil and gas in the subsalt Upper Paleozoic sediments. Sov. geol. 8 no.8:45-53 Ag '65.

(MIRA 18:10)

1. Institut geologii geofiziki Sibirskogo otdeleniya AN SSSR, Aktyubinskoye otdeleniye; Trest "Kazakhstanneftegeofizika", Aktyubinskaya geofizicheskaya ekspeditsiya.

MATVEYEV, V.G.; VOLOGIN, I.G.

New promising structures in the southern part of the Mangyshlai Peninsula in the region of the Zhetibay and Uzen' oil fields.
Geol.nefti i gaza 9 no.2:28-30 F '65. (MIRA 18:4)

1. Trest Kazakstanneftsgeofizika.

VOLOZHANINA, P.P., Cand Geol Min Sci -- (diss) "Stratigraphy
and fusulinides of the middle and upper carboniferous
period of South Timan." ^{Book} Syktyvkar, Komi Pub House, 1959,
15 pp (Min of Higher Education. Gverdlovsk Mining Inst im
V.V. Vakhru⁵ghev) 120 copies (KL, 35-59, 112)

VOLOZHANINA, P.P.

Stratigraphy of the middle and upper Carboniferous in the
southern Timan Ridge. Trudy VNIIGRI no.133:167-184 '59.
(MIRA 13:1)

(Timan Ridge--Geology, Stratigraphic)

GLOTSEY, L.M., kand. tekhn. nauk; VOLOZHENINOV, Yu.N., inzh.

Continuous production line of silver in the Pavlovski Posad
Worsted Combine. Nauch.-issl. trudy VNIISheresti no.17:17-
24 '62. (MIRA 17:12)

VOLOZHIN, V.B., insh.

Semiautomatic universal attachment for continuous milling of
slits in screw heads and nuts. Mash.Bel. no.4:178-179 '57.
(Milling machines--Attachments) (MIRA 11:9)

81192

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SOV/137-59-5-10141

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 99 (USSR)

AUTHOR: Volozhanin, A.N.

TITLE: Preparation of Commercial Tellurium¹ at the Refining Shop

PERIODICAL: Rudnyy Altay (Sovnarkhoz Vost. Kazakhstansk. ekon. adm. r-na),
1958, Nr 3 - 4, pp 35 - 37

ABSTRACT: The authors investigated the possibility of extracting Te from weak alkaline solutions by cementation with Zn-dust. The composition of the original solution was (in g/l): NaOH 80 - 140, Te 0.2 - 0.8, Pb 0.5 - 2.0, Sb 0.1 - 0.5, Zn 0.1 - 1.0, As 25 - 35, Fe and Cu in traces. Cementation was carried out by preheating the solution with live steam up to 85° - 90°C. Together with Te, Pb, Sb and partially As were collected in the precipitate. The concentrate obtained had the following composition (in %): Te 10 - 15, Pb 20 - 30, Sb 5 - 15, As 1 - 5, NaOH up to 10. The Te-concentrate of the aforementioned composition was leached out by an aqueous solution of N₂S with pre-

Card 1/2

81192

SOV/137-59-5-10141

Preparation of Commercial Tellurium at the Refining Shop

heating by exhaust steam. Te passed over into the solution together with Sb, As and Se. Precipitation from the solution was achieved by Na_2SO_3 . The precipitate obtained was treated with 10% HCl for the final elimination of Fe, Pb, S and other admixtures. Commercial Te was obtained, meeting the demands of Technical Specifications. ✓

L.L.

Card 2/2

VOLOZHANIN, V.V.; PILETSKAYA, A.M.

Pediatric services at a rural medical center. Sov. sdraz. 13
no. 4:44-48 J1-Ag '54. (MLRA 7:9)

1. Zav. Sinyavskim vrachebnym uchastkom (for Volozhanin) 2.
St. sotrudnik Rostovskogo pediatricheskogo instituta (for Piletskaya)
(RURAL CONDITIONS,
in Russia, pediatric serv. in rural med. centers)
(PEDIATRICS,
in Russia, pediatric serv. in rural med. centers)
(PUBLIC HEALTH,
in Russia, rural med. centers, pediatric serv. in)

VOLOZHANINA, P.P. [deceased]

Fusulinid and facies correlation in the middle Carboniferous section of the southern Timan. Vop. mikropaleont. no.4:71-82 '60.
(MIRA 14:5)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya Ughtinskogo kombinata (TsNIL).
(Timan Ridge--Foraminifera, Fossil)

Fusulinidae of the Upper Carboniferous in the Timan-Pechora region. Vop. mikropaleont. no. 6:116-146 '62. (MIRA 15:11)

VOLOZHEIN, S.I.; KOZ'UBINA, O.P.; PANTOV, S.M.

Catalytic action of tertiary amines in the reactions of phenyl isocyanate with cellulose. Zhur. prikl. khim. 37 no.10:2327-2328 O 164. (MIRA 17:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

VOLOZHIN, Ya.S., kand.tekhn.nauk, dots.

Relation between thermal and thermoelectric properties of
metals. Izv.vys.ucheb.zav.; chern.met. 2 no.8:91-99
Ag '59. (MIRA 13:4)

1. Sibirskiy metallurgicheskiy institut. Rekomendovano kafedroy
fizicheskoy khimii Sibirskogo metallurgicheskogo instituta.
(Metals--Thermal properties) (Metals--Electric properties)

ACCESSION NR: AR4015679

S/0081/63/000/023/0053/0053

SOURCE: RZh. Khimiya, Abs. 23B326

AUTHOR: Volozhin, Ya. S.

TITLE: Thermochemistry of the dissociation of kaolinite

CITED SOURCE: Tr. Vost. n.-i. gornorudn. in-ta i gorn. fak. Sibirsk. metallurg. in-ta, vy*p. 1, 1961, 172-177

TOPIC TAGS: kaolinite, kaolinite dissociation, aluminum, silicon, metakaolinite

TRANSLATION: On the basis of data in the literature, the heat of formation of (ΔH°_{298}) of kaolinite ($\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$) is -954 kcal/mole. Calculated by approximate methods, $\Delta H^{\circ}_{298} = -804.2$ kcal/mole and $\Delta Z^{\circ}_{298} = -757.1$ kcal/mole for metakaolinite ($\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2$). The decomposition of kaolinite during heating to 700C into free oxides is thermodynamically more likely than its decomposition into metakaolinite and H_2O . L. Reznitskiy

SUB CODE: IC, TD

DATE ACQ: 09Jan64

ENCL: 00

Card 1/1

ACCESSION NR: AR4008225

S/0169/63/000/011/B041/B041

SOURCE: RZh. Geofizika, Abs. 11B263

AUTHOR: Kosmachev, K. P.; Volozhina, V. V.; Smirnova, G. V.

TITLE: The problem of estimating freezes (using East Siberia as an example)

CITED SOURCE: Tr. Zabaykal'sk. kompleksn. n.-i. in-ta. Sib. otd. AN SSSR. Ser. Ekon. i geogr., vy*p. 1, 1963, 103-113

TOPIC TAGS: microclimatology, East Siberian freezing period, freezing period estimation, East Siberia microclimatology

TRANSLATION: The microclimatic conditions in the regions of Eastern Siberia give rise to considerable differences in the duration of the frostless period over very limited areas. The duration of the frostless period may be 40-45 days longer or shorter in a given area than in an adjacent area. The authors point out the need for a more detailed spatial consideration of the arrival of autumn frosts; this will increase the effectiveness of agriculture in Eastern Siberia. In this

Card 1/2

ACCESSION NR: AR4008225

connection the authors discuss the problems of insurance payments on frost-damaged crops. Bibliography with 18 titles. N. Davy*dov.

DATE ACQ: 09Dec63

SUB CODE: AS

ENCL: 00

Card 2/2

VOLOZHENIN, A.G.

Double the production of soybeans. Nauka i pered.op. v sel'khoz. 6
no.12:5-8 N '56. (MLRA 10:1)

1. Direktor Primorskoy gosudarstvennoy selektsionnoy opytnoy stantsii.
(Soybean)

VOLOZHIN, A.I.; KOZ'MINA, O.P.; DANILOV, S.N.

Synthesis and properties on *N*-substituted carbamic cellulose
esters. Zhur.prikl.khim. 37 no.7:1578-1583 J1 '64.

(MIRA 18:4)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

VOLOSHIN, A.I.; KOZ'MINA, O.P.; DANILOV, S.N.

Chemical modification of cellulose fabrics with isocyanates.
Zhur. prikl. khim. 37 no.12:2761-2763 D '64. (MIRA 18:3)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

VOLOZHEN, A.I.; KOZ'MINA, O.P.; DANILOV, S.N.

Synthesis and properties of N-substituted carbamic cellulose
esters. Zhur. prikl. khim. 37 no.9:2077-2080 5 '6..

(MIRA 17:10)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

VOLOZHIN, S.I., student

Primary tumors of the small intestine and its mesentery.
Kaz. med. zhur. no.2:65-67 Mr-Apr '62. (MIRA 15:6)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof. M.G.
Ruditskiy) Kurskogo meditsinskogo instituta.
(INTESTINES—TUMORS) (~~MESENTERY~~—TUMORS)

VOLOZHN, Ya. S.

"Some Questions in the Investigation of Hydroaluminosilicates."
Cand Tech Sci, Dnepropetrovsk Order of Labor Red Banner Metallurgical Inst imeni I. V. Stalin, Min Higher Education USSR, Dnepropetrovsk, 1955. (KL, No 12, Mar 55)

SO: Sum. No 670, 29 Sep 55-Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions(15)

VOLOZINA, N. V.

Some features of maturation of the ovum in mosquitoes of the
genus *Aedes*, group *communis*. Med. paraz. i paraz. bol. no.6:
721-723 '61. (MIRA 15:6)

1. Iz kafedry biologii Ivanovskogo gosudarstvennogo meditsinskogo
instituta (dir. Ya. M. Romanov, zav. kafedroy N. V. Khelevin)

(MOSQUITOES)

COUNTRY : USSR
CITY :

ABD. JOUR. : *Med Biol.*, No. 1959, No. 10392

AUTHOR : Volozina, N. V.
INST. : Ivanovo Medical Institute
TITLE : Material on the Biology and Ecology of
Aedes cinereus

ORIG. PUB. : Sb. nauchn. tr. Ivanovsk. med. in-ta, 1957,
No 12, 458-463

ABSTRACT : According to observations made in Ivanovo in
1955-1956, attacks by Aedes cinereus are noted
from the end of May to the end of September. The
maximum attack rate is during sunset, but among
weeds the mosquitoes also attack in the daytime.
In the case of Aedes cinereus females fed with
blood at a single feeding (at a temperature of about
20°), the digestion of the blood and the oviposition
occurred after 4-10 days. The number of eggs in
the layings ranged from 13 to 151 (average 54.2).

CARD: 1/3

25
developing embryo withstand the effect of
various chemical agents: many of them remain
2/3

CARD:

COUNTRY :
CATEGORY :

1950. JOUR. : *gzhbiol.*, No. 1950, No. 10392

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : viable after being in kerosene for 48 hours and in 10% formalin for 3 hours. Concentrated formalin kills the eggs after 1 hour. After the contact of the eggs with DDT dust the larvae which hatch out die. -- N. Yu. Markovich

CARD:

3/3

He

VOLOZINA, N.V.

The relation between body weight, potential fecundity and
quantity of blood ingested in mosquitos of the genus Aedes.
Med. Paraz. i paraz. bol. 32 no.5:515-521 S-0'63 (MIRA 16:12)

1. Iz kafedry biologii (zav. - dotsent N.V.Khelevin) Ivanovsko-
go meditsinskogo instituta.

VOLOZINA, N.V.

Family Culicidae in Ivanovo Province. K pozn.fauny i flory Ivan.
obl. no.1:90 '61. (MIRA 15:7)
(Ivanovo Province--Mosquitoes)

VOLOZINA, N.V.

Effect of feeding conditions and the physiological age of females
on the maturation of eggs in the mosquitoes *Aedes communis*. K pozn.
fauny i flory Ivan.obl. no.1:36-51 '61. (MIRA 15:7)
(Ivanovo Province--Mosquitoes) (Insects--Eggs)

VOLOZINA, N.V.

Species and ecology of Aedes mosquitoes in Ivanovo Province [with
summary in English]. Med.paraz. i paraz.bol. 27 no.6:670-673
(MIRA 12:2)
N-D '58.

1. Iz kafedry biologii Ivanovskogo gosudarstvennogo meditsinskogo
instituta (dir. instituta Ya.M. Romanov, zav. kafedroy N.V. Khelevin).
(MOSQUITOES,
Aedes, fauna & ecol. in Russia (Rus))

VOLOZNEVA, K.F.

Analysis of immediate complications for the mother and the fetus due to the use of vacuum extractor. Trudy SMI 17:73-76 (MIRA 18:1) '63.

1. Iz kafedry akusherstva i ginekologii (zav. - dotsent K.K. Komesenko) Smolenskogo gosudarstvennogo meditsinskogo instituta.

VIKTOROVICH, V.N.; VOL'PYAN, A.Ye.

Entropy of separation in purification by zone recrystallization. Zhur.
fiz.khim. 37 no.10:2168-2173 O '63. (MIRA 17:2)

1. Nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoj
promyshlennosti "Giredmet", Moskva.

22' POVA, Ye. G.

65-2-9/12

AUTHOR: Vol'pova, Ye. G.

TITLE: The Polymerisation of Amylenes on a Phosphoric Acid Catalyst. (Polimerizatsiya amilenov na fosforno-kislotnom katalizatore).

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1953, Nr.2. pp. 54 - 57. (USSR).

ABSTRACT: The chemical composition of pentane-amylenes fractions was investigated during a series of experiments, and was found to be as follows: amylenes - 39.5%, isopentane - 22.3%, and n-pentane - 38.2%. The polymerisation of amylenes, present in the pentane-amylenes fraction, was carried out on an industrial gas fractionation plant of the Groznesk factory. The polymerisation process was investigated on a laboratory apparatus, a diagram of which is given in Fig.1. Phosphoric acid on kieselguhr was used as a catalyst. The reaction was carried out under the following conditions: temperature: 140 - 200°C. pressure: 0-60 atms., volume rate: 1-6 l-hrs. The influence of these factors on the conversion of the amylenes is shown graphically in Figs. 2 - 5. It can be seen from Fig.3 that the degree of conversion of amylenes is increased from 52 to 78% when the temperature is increased from 140 to 200°C at a volumetric rate of 4 l-hrs. and a pressure of 60 atms. The degree of

Card 1/2

6E/2/9'12

The Polymerisation of Amylenes on a Phosphoric Acid Catalyst.

conversion of amylenes under given pressure conditions increases with increasing temperatures. The following optimal conditions are recommended on the basis of the obtained experimental data:- temperatures: 170 - 180°C., pressure: 50 - 60 atms., and the volume rate: 3-4 l-hrs. The results were verified on an industrial polymerisation unit. At near optimum conditions, the yield of crude di-isoamylenes equals 27 - 29%. A 70% conversion of amylenes was achieved. The crude di-isoamylenes was analysed and data on its composition are given. The fraction boiling up to 175°C (containing 88% di-isoamylenes) can, after hydrogenation, be used as a high octane component of aviation engine fuels. The fraction boiling up to 200°C is used as a component of petrol because of its high octane number, its high degree of mixing, and its low vapour tension. Di-isoamylenes are also important for the preparation of detergents. There are 6 Figures.

Card 2/2

ASSOCIATION: Groz NII.

AVAILABLE: Library of Congress.

VOL'FE, Abram Mironovich.

Modern warfare and the role of economic preparedness Moskva, Voen. vestnik,
1926. 32 p. (Biblioteka IVsesoiuznogo s'ezda VNO, no. 10)

VOL'PE, A. S.

Vol'pe, A. S. and Kovesnikova, G. F. - "On the problem of the methodology of experimenting with burn shock", In the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1949, p. 68-74, - Bibliog: 7 items.

SO: U-4329, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 21, 1949).

1. MAKAROV, A. R.; VOL'PE, A. S.; KENIGSBERG, K. Ya.

2. USSR (600)

4. Burns and Scalds

7. Gas metabolism in cases of burns. Novosti med. no. 24, 1951

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. FRENKEL', G. L; BERINGER, Yu. V.; VOL'PE, A. S.
2. USSR (600)
4. Shock
7. Concepts of "shock and "collapse." Novosti med., No. 24, 1951.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. VOL'PE, A. S.
2. USSR (600)
4. Shock
7. Warming during the state of shock, Novosti med., No. 24, 1951.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. VOL'FE, A. S., MELYUSHKEVICH, G. F.
2. USSR (600)
4. Blood
7. Early observations of hemodynamic, biochemical and hematological shifts in cases of burns. Novosti med. No. 24. 1951

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

VOL'PE, A. S. (cand. Med. Sci.) and LOTMAN, V. M.

"The Problem of Trauma,"

from material presented
~~paper presented~~ at 11th Session of Gen. Conf. on the Problem of Trauma, Acad.
Med. Sci. USSR, Moscow, 15 - 20 Apr 57.

Sovetskoye Zdravookhraneniye Kirgizii, Frunze, No. 6, Nov/Dec 57, pp 60-64.

SOV-90-58-10-1/9

AUTHORS: Pavlov, P.P., Kulikov, B.A., Ruvimskiy, V.A., Vol'pe, C.M.,

TITLE: The Determination of the Permissible Current Load of a Single Strand of KTO-4 Logging Cable (Opredeleniye dopustimoy tokovoy nagruzki odinarnoy zhily karotazhnogo kabelya KTO-4)

PERIODICAL: Energeticheskiy byulleten', 1958, Nr 10, pp 1 - 3 (USSR)

ABSTRACT: The authors state that at the present time, old KTO-4 cable, unsuitable for logging, is being used in the oil industry for the illumination of borings. The Baku laboratory of TsNIPO and the All-Union Scientific Research Institute for Safety Measures in the Oil Industry (VNIITB) have carried out an experiment to find the permissible current load of a single strand of KTO-4 logging cable, under a surrounding temperature of 35° C, and the maximum permissible temperature for the heat-resistant rubber insulation of the strand, according to the catalogue 65° C. The experiment was carried out on a section of an insulated strand 1.5 meters long, placed in a thermostat where the temperature was 35°. The current was fed to the strand from the lower side of a 220/12 volt transformer with a capacity of 300 watts, which was supplied from a 220 volt network. With the temperature

Card 1/2

SOV-90-58-10-1/9

The Determination of the Permissible Current Load of a Single Strand of KTO-4 Logging Cable

in the thermostat at 35°, the current flowing through the cable was found to be 25.5 amps when the temperature in the steel strand of the cable was 65°. Separate insulated strands of KTO-4 logging cable can therefore be used for lighting purposes providing the current load does not exceed 25 amps and the voltage is not over 220 v. The authors then give a formula for calculating the maximum length of strand which can be used. Besides the conclusions given above, the authors finally give the following: 1) the safety devices on the line should not be set higher than 25 amps; 2) KTO-4 cable cannot be used for feeding lighting or power loads either as a complete cable or in separate strands; 3) when the strands are used in external wiring they should be fastened to porcelain insulators; 4) the strands can only be used in lighting systems if the colored layer of rubberized linen is left on the rubber insulation. There is one diagram.

1. Electric cables--Electrical properties
2. Electric cables
--Insulation

Card 2/2

STASKOVICH, N.L.; MLODOK, B.I.; CHERNYAKOV, Z.G.; VOL'PE, G.S., redaktor;
SMIRNOVA, V.A., tekhnicheskii redaktor

[Municipal gas supply] Gasosnabzhenie gorodov. Leningrad, Gos. nauchno-
tekhnicheskoe izd-vo neftegnoi i gorno-toplivnoi lit-ry. Pt.2. [Auto-
matic regulators and safety appliances] Avtomaticheskie pribory
regulirovaniia i bezopasnosti. 1950. 179 p. (MLRA 8:2)
(Gas governors) (Gas--Safety appliances)

USSR / Microbiology. Microorganisms Pathogenic to Humans and
Animals.

F-5)

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90915

Author : Vol'pe, I. M.

Inst : ~~Not given~~

Title : A Supplementary method for Determination of Reactivity
of Polyvaccines

Orig Pub : Voen. med. zh., 1958, No 3, 51-53

Abstract : No abstract given

Card 1/1

VOL'PE, I. M.: Doc Med Sci (diss) -- "The physiological prophylaxis of inoculation reactions". Moscow, 1958. 24 pp (Acad Med Sci USSR), 200 copies (KL, No 2, 1959, 124)

VOL'PE, I.M., mayor med. sluzhby, kand. med. nauk

Supplementary method for determining the reactivity of polyvaccine.
Voen. med. zhur. no.3:51-53 Mr '58. (MIRA 12:7)

(VACCINES AND VACCINATION

method for determ. of reactivity of polyvaccines (Rus))

VOL'PE, I.M.

Effect of anesthesia on the site of vaccination on the development of immunologic reaction [with summary in English]. Biul. eksp. biol. i med. 44 no.7:89-92 J1 '57. (MIRA 10:12)

1. Iz Moskovskogo ordena V.I.Lenina gosudarstvennogo universiteta imeni M.V.Lomonosova. Predstavlena akademikom A.D.Speranskim.

(VACCINES, AND VACCINATION,

eff. of local anesth. of site of vacc. on immun. reaction (Rus))

(ANESTHESIA, LOCAL, effects,

anesth. of site of vacc., eff. on immun. reaction (Rus))

VOL'PE, I. M.

"Penicillin Resistance of Tuberculosis Bacillus and the Formation of Penicillinase."
Thesis for degree of Cand. Medical Sci. Sub 2 Feb 50, Acad Med Sci USSR

Summary 71, 4 Sep 52. Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950.

65. Use of Novocaine to Reduce Inoculation Reactions

"Novocaine Method in the Prophylaxis of Inoculation Reactions,"
by Maj Med Serv I. M. Vol'pe, Candidate of Medical Sciences,
Voyenno-Meditsinskiy Zhurnal, No 4, Apr 57, pp 42-45

Experiments are reported on the use of novocaine to reduce reactions which accompany inoculation with polyvalent vaccine for various infectious conditions. It was decided that reactions were due to irritation of the

neuroreceptors at the point of inoculation, an irritation which might be inhibited by adding novocaine solutions of different strengths and in different amounts to the polyvalaccine. In some of the cases this was not found to be so however, evidently because the novocaine acted only locally, while the polyvalaccine, being carried in the blood stream, could affect distant neuroreceptors. Novocaine affected general reaction symptoms, such as lowered body temperatures, causing temperatures to rise.

In the course of the study, the possible effect of novocaine on antigens and immunogens was investigated by inoculating rabbits with a mixture of the polyvalaccine and novocaine. At the time, and for some time after the immunization, typhoid, paratyphoid "A," Flexner dysentery agglutinins, and tetanus antitoxins were observed in the serum. After the laboratory tests on rabbits, the experiments were continued by inoculating 152 people with the polyvalaccine-novocaine mixture. The number of positive agglutination reactions increased 2.0-45.6 percent, while in the controls who had only received the polyvalaccine, the increase amounted to only 3-38 percent.

It was concluded that polyvalaccine plus a one percent novocaine solution did not adversely affect the development of immunity in the organism. General and local reactions decreased in numbers, and the subcutaneous injections were made painless. (U)

Sum 1429

VOL'PE, I.M., mayor med. sluzhby kand. med. nauk.

Novocain method for preventing vaccinal reactions. Voen. med. zhur.
no.4:42-45 Ap '57. (MIRA 12:7)

(VACCINES AND VACCINATION, complication,
procaine prev. of post-vaccinal reactions (Rus))
(PROCAINE, ther. use,
post-vaccinal reactions prev. (Hun))

VOL'FE, Isaak Maksimovich, dots.; SRETENSKIY, A.I., red.

[Reactions to vaccinations; mechanisms and prevention]
Privivochnye reaktsii; mekhanizmy i profilaktika. Mo-
skva, Izd-vo Mosk. univ. 1964. 171 p. (MIRA 17:6)

VOL'PE, Isaak Maksimovich; CHERNOVA, Tamara Ivanovna; MIRONOV,
V.P., red.; NECHAYEVA, Ye.G., red.; LAZAREVA, L.V., tekhn.
red.

[Textbook of medical microbiology; general part] Uchebnoe ru-
kovodstvo po meditsinskoj mikrobiologii; obshchaya chast'.
Pod red. V.P.Mironova. Moskva, Izd-vo Mosk. univ. 1963. 285 p.
(MIRA 16:7)

(MEDICAL MICROBIOLOGY)

NETIPANOV, Ivan Yeliseyevich; BORZOV, N.G., nauchnyy red.; VOL'PE, L., red.

[Integration methods for ordinary differential equations] Metody
integrirvaniia obyknovennykh differentsial'nykh uravnenii;
uchebnoe posobie. Leningrad, Severo-zapadnyi zaachnyi politekhn.
in-t, 1962. 90 p. (MIRA 16:6)
(Differential equations)

SEGAL', Apollon Moiseyevich; BRON, O.B., doktor tekhn. nauk,
prof.; ORANSKIY, M.I., kand. tekhn. nauk, dots.,
retsenzent; SHNAREVICH, D.I., kand. tekhn. nauk, dots.,
retsenzent; VOL'PE, L., red.

[Electromagnetic field, Theoretical principles of electrical
engineering] Elektromagnitnoe pole, TOE. Leningrad, Severo-
Zapadnyi zaachnyi politekhn. in-t, 1964. 71 p.
(MIRA 18:11)

KAL'NITSKIY, L.A.; VOL'FE, L., red.

[Higher mathematics; differential calculus of functions
of one and several variables] Vysshaia matematika; dif-
ferentsial'noe ischislenie funktsii odnoi i neskol'kikh
peremennykh. Leningrad, Severo-Zapadnyi zaokhnyi politekhn.
in-t. 1965. 74 p. (MIRA 18:11)

MILLER, Yevgeniy Vladimirovich; MALYAREVSKIY, B.I., nauchnyy red.;
VOL'PE, L., red.

[Fundamentals of the theory of electric drives; study manual]
Osnovy teorii elektroprivoda; uchebnoe posobie. Leningrad,
Severo-Zapadnyi zaachnyi politekhn.in-t. No.1. 1960. 242 p.
(MIRA 14:1)
(Electric driving--Handbooks, manuals, etc.)

SEMENOV, Mikhail Vasil'yevich, prof.; VOL'PE, L., red.

[Theory of mechanisms and machinery; design and kinematics of flat linkages] Teoriia mekhanizmov i mashin; struktura i kinematika ploskikh sharnirnykh mekhanizmov; pis'mennye lektsii. Leningrad, M-vo vysshego i srednego spets. obrazovaniia RSFSR, 1961. 141 p. (MIRA 14:9)

(Links and link motion)

SAAKOV, Eduard Onikovich, dotsent, kand. tekhn. nauk; VOL'PE, L., red.

[Amplifying devices; written lectures] Usilitel'nye ustroistva;
pis'mennye lektsii. Leningrad, Severo-zapadnyi zaochnyi poletekhn.
in-t. No.2. 1960. 175 p. (MIRA 14:6)
(Amplifiers (Electronics))

MAYDEL'MAN, El' Davydovich; VOL'PE, L., red.

[Composite motion of a solid; correspondence course] Slozhnoe
dvizhenie tverdogo tela; pis'mennye lektsii. Leningrad, Severo-
Zapadnyi zaachnyi politekhn.in-t, 1959. 32 p. (MIRA 13:2)
(Mechanical movements)

VLASOV, Petr Ignat'yevich; ALEKSEYEV, M.A., red.; VOL'PE, L.M., red.;
KONOVALOVA, Ye.K., tekhn.red.

Nikolai Rudnev. Moskva, Voen.isd-vo M-va obor.SSSR, 1960.
156 p. (MIRA 14:2)
(Rudnev, Nikolai Aleksandrovich, 1894-1918)

VOL'PE, M. (Varshava)

Theory of the formation of a cumulative jet for cylindrical charges having a conic rabbet and metal coating with a constant thickness. Izv. AN SSSR. Otd. tekhn. nauk. Mekh. i mashinostr. no. 3:109-116 M.-J. '60. (MIRA 13:6)
(Blasting)

S/179/60/000/03/016/039
E191/E481

AUTHOR: Vol'pe, M. (Varshava)

TITLE: Contribution to the Theory of the Formation of a Cumulative Jet of Cylindrical Charges with a Conical Recess and a Metallic Lining of Constant Thickness

PERIODICAL: Izvestiya Akademii nauk, SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1960, Nr 3, pp 109-116 (USSR)

ABSTRACT: In this lecture, delivered at the International Conference on the Mechanics of Liquids and Gases, held at Avgustovo (Poland) on September 7 - 13, 1959, the author refines the theory of formation of the cumulative jet in the framework of the quasi-stationary approximation. It is assumed that the metallic lining, under the action of pressure by the explosion products, behaves as an incompressible ideal liquid and deforms in such a manner that the angle of opening of the conical lining increases with time. This leads to a variation in the law of distribution of velocities and masses. There are 6 figures and 5 references, 3 of which are Soviet and 2 English. ✓B

SUBMITTED: February 10, 1960
Card 1/1

PANFILOVA, T.A.; TSUKERSHTEYN, O.Ye.; VOL'PE, M.M.

Correlations between functional and morphological changes in
experimental cholesterol atherosclerosis in dogs. Pat. fiziol.
i eksp. terap. 9 no.5:53-57 S-O '65. (MIRA 19:1)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya (zav. -
dokt. V.M. Ivanov) i Leningradskogo meditsinskogo instituta
imeni I.P. Pavlova. Submitted May 23, 1964.

BRUK, Boris Il'ich; ZAV'YALOV, Andrey Sergeyevich; VOL'PE, L., red.

[Radioactive isotopes and nuclear radiations in metallurgy and machinery manufacture; textbook on the use of nuclear energy in the national economy] Radioaktivnye izotopy i iadernye izlucheniia v metallurgii i mashinostroenii; uchebnoe posobie po primeneniui adernoii energii v narodnom khoziaistve. Leningrad, Severo-Zapadnyi za-
ochnyi politekhn. in-t, Pt. 2. 1965. 173 p.
(MIRA 19:1)

SHAROV, Aleksandr Ivanovich; STENDER, P.V., nauchn. red.;
VOL'PE, L., red.

[Series and some of their applications; a textbook]
Riady i nekotorye ikh prilozhenia; uchebnoe posobie.
Leningrad, Severo-Zapadnyi zaachnyi politekhn. in-t,
1965. 206 p. (MIRA 19:1)

AFANAS'YEV, Boris Pavlovich; VOL'PE, L., red.

[Nonlinear networks subject to the action of an external
e.m.f. and some methods for their analysis] Nelineinye
tsepi i nekotorye metody ikh analiza pri vozdeistvii
vneshnikh E.D.S.; uchebnoe posobie po TOR II. Leningrad,
Severo-Zapadnyi zaokhnyi politekhn. in-t, 1964. 144 p.
(MIRA 18:7)

ARTEMENKO, Yelizaveta Semenovna; BLINOV, V.I., nauchn. red.;
VOL'FE, L., red.

[Solid state physics; textbook for a general physics
course] Fizika tverdogo tela; uchebnoe posobie po kursu
obshchei fiziki. Leningrad, Severo-Zapadnyi zaokhnyi
politekhnikheskii in-t, 1963. 67 p. (MIRA 17:3)

ABRYUTIN, Viktor Nikolayevich; FRIDENBERG, Rikhard Arnol'dovich;
BULGAKOV, K.V., dots., retsenzents; RUZIN, Ya.L., dots.,
retsenzents; SHABADASH, B.I., dots., retsenzents; VOL'PE, L.,
red.

[Electrical section of large capacity thermal electric
power plants] Elektricheskaya chast' moshchnykh teplo-
vykh elektrostantsii; uchebnoe posobie. Leningrad, Se-
vero-Zapadnyi zaokhny politekhnicheskii in-t, 1962. 197 p.
(MIRA 17:3)

KOSTAREV, N.N.; VOL'PE, L., red.

[Machine tools. Section "Gear-cutting machines;" written lectures] Metallorezhushchie stanki. Razdel: "Zuboreznye stanki;" pis'mennye lektsii. Leningrad, Severo-zapadnyi zaachnyi politekhn. in-t, 1964. 103 p.
(MIRA 18:7)

YEVSEYEV, M.Ye.; LAMAGIN, K.A.; MERKIN, G.B.; MOROZOVA, I.A.;
ORANSKIY, M.I.; PARAMONKOVA, V.I.; KAZARNOVSKIY, D.M.,
prof., retsenzent; GOL'DIN, O.Ye., dots., retsenzent;
PINES, G.Ya., dots., retsenzent; VOL'FE, L., red.

[Alternating current theory; manual on the solution of
problems in the theoretical principles of electrical
engineering] Teoriia peremennykh tokov; posobie k re-
sheniiu zadach po teoreticheskim osnovam elektro-
tekhniki. [By] M.E.Evseev i dr. Leningrad, Severo-
Zapadnyi zagchnyi politekhn. in-t. Pt.2. 1964. 337 p.
(MIRA 18:7)

1. Kafedra "Teoreticheskiye osnovy elektrotekhniki"
Leningradskogo elektrotekhnicheskogo instituta svyazi
im. Bonch-Bruyevich (for Gol'din, Pines).

SLOBODIN, Ya.M.; VOL'PE, L., red.; BARANOVA, L., tekhn. red.

[Elements of the main subgroups of the groups VII-IV of the periodic system; a handbook of inorganic chemistry] Elementy glavnykh podgrupp VII-IV grupp periodicheskoi sistemy; uchebnoe posobie po neorganicheskoi khimii. Leningrad, Severo-Zapadnyi zaachnyi politekhn. in-t, 1963. 185 p. (MIRA 17:3)

DUKHOVNER, Arkadiy Naumovich; AFANAS'YEV, B.P., kand. tekhn. nauk,
dots., nauchn. red.; VOL'PE, L., red.

[Theoretical principles of radio engineering] Teoreticheskie osnovy radiotekhniki. Leningrad, Severo-Zapadnyi za-
ochnyi politekhn. in-t. Pt.2. [Manual on laboratory work]
Posobie k laboratornym rabotam. 1963. 86 p.

(MIRA 17:4)

KOSTAREVA, Zinaida Grigo'iyevna; STENDER, P.V., *nauchnyy red.*;
VOL'FE, L., red.

[The elements of vector algebra. Analytic geometry in space;
written lectures] Elementy vektornoj algebry. Analiticheskaya
geometriya v prostranstve; pis'mennyye lektsii. Leningrad,
Severo-Zapadnyi zaokhnyy politekhn. in-t, 1962. 150 p.
(MIRA 15:7)

(Vector analysis) (Geometry, Analytic)

BOYTSOV, Aleksandr Nikolayevich, dots., kand. tekhn. nauk; VOL'PE, L.,
red.

[Fundamentals of interchangeability and technical measurements] Osnovy vzaimozameniaemosti i tekhnicheskio izmereniia. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t. No.4. [Gauges] Kalibry; pis'mennye lektsii. 1960. 103 p. (MIRA 14:11)
(Gauges)

SMIRNOV, Nikolay Ivanovich; VOL'PE, L., red.

[Theoretical principles of production processes of basic organic synthesis and of synthetic rubbers] Teoreticheskie osnovy proizvodstv osnovnogo organicheskogo sinteza i sinteticheskikh kauchukov; uchebnoe posobie. Leningrad, Severo-Zapadnyi zaachnyi politekhn. in-t. No.2. 1961. 94 p.
(MIRA 15:3)

(Chemistry, Organic—Synthesis) (Rubber, Synthetic)
(Chemical reaction, Rate of)

IVANOV, Yevgeniy Aleksandrovich, dots., kand. tekhn. nauk; VOL'PE, L.,
red.

[A.c. machinery; a manual on course projects]Elektricheskie mashiny peremennogo toka; rukovodstvo k kursovomu proektirovaniyu. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t. No.2.[Asynchronous motors with short-circuited rotors designed for specific performance] Asinkhronnye dvigateli s korotkozamknutym rotorom spetsial'nogo ispolneniya. 1961. 263 p. (MIRA 15:7)
(Electric motors, Induction)

POPOV, G.V., kand. tekhn. nauk; VOL'PE, L., red.

[Automation of technological processes; manual] Avtomatizatsiia
tekhnologicheskikh protsessov; uchebnoe posobie. Leningrad, Se-
vero-Zapadnyi zaokhnyi politekhnicheskii in-t. No.1. 1961. 105 p.
(MIRA 14:10)

(Automation)

(Metal cutting)

SAVINA, N.A.; KARPOV, V.G., prof., nauchn. red.; VOL'PE, L., red.

[Coupled oscillatory systems; manual for a course on
"Theory of radio circuits"] Sviazannye kolebatel'nye sistemy;
uchebnoe posobie po kursu "Teoriia radiotekhnicheskikh tsepei."
Leningrad, Severo-zapadnyi zaachnyi politekhn. in-t, 1964. 76 p.
(MIRA 18:3)

SLOBODIN, Yakov Mikhaylovich; VOL'PE, L., red.

[Elements of the main subgroups of III-O groups. Elements of the side subgroups of the periodic system; a manual of inorganic chemistry] Elementy glavnykh podgrupp III-O grupp. Elementy pobochnykh podgrupp periodicheskoi sistemy; uchebnoe posobie po neorganicheskoi khimii. Leningrad, Severo-zapadnyi zaachnyi politekhn. in-t, 1964. 175 p.

(MIRA 18:3)

L 05223-67 ENP(e) WH/WH
ACC NR: AP6027425

SOURCE CODE: PO/0095/66/014/006/0587/0595

AUTHOR: Wolpe, M. -- Vol'pe, M.; Lunc, M. -- Lunts, M.

ORG: Department of Plasma Physics and Technique, Institute of Nuclear Research,
Warsaw-Swierk (Zaklad Fizyki i Techniki Plazmy, Instytut Badan Jadrowych)

TITLE: Analysis of the motion of a ring-core system compressed by detonation.
I. Theoretical bases

SOURCE: Polska akademia nauk. Bulletin. Serie des sciences techniques, v. 14, no. 6,
1966, 587-595

TOPIC TAGS: detonation wave, compressive stress, pressure effect

ABSTRACT: The authors consider a new method for producing dynamic pressures of tens of millions of atmospheres. The method consists of compression by imploding a thick-walled pipe with a core having an outside diameter less than the inside diameter of the pipe. During the first compression phase before the inside diameter of the pipe equals that of the core, the work done by external pressure is transformed into kinetic energy. In the second phase the whole system is compressed and the accumulated kinetic energy is simultaneously transformed into internal energy. The specific case of a graphite core in an incompressible pipe is studied. It is assumed that both are nonviscous liquids. Expressions are derived for the radial motion of this

Card 1/2